

Practice Name
(Acre)
Code 000

Appendix 1B - Planting rates for drill or broadcast seeding and sprigging in Texas, Zone 2. MLRA's 42, 77D, 81A																						
Name	Variety	Seeding rates are pounds pure live seed (PLS) per acre 3/, 4/	Native (N) or Introduced (I)	Season of growth	Adaptation by Major Land Resource Areas										Seeding Guidance	Adapted Plants by Soil Groups 6/						Comments
					Trans - Pecos 42	High Plains SW. 77D	Western Edwards Plateau 81A	Southern Edwards Plateau 81D								Coarse	Moderately Coarse	Medium	Moderately Fine	Fine		
														Maximum Seeding Dates 5/								
PERENNIAL GRASSES																						
1/, 2/																						
Bermudagrass	Cheyenne	10.0	I	W	X	X	X								1/1 - 9/1	X	X	X	X			
Bermudagrass: hulled	common	2.3	I	W	X	X	X								1/1 - 9/1	X	X	X	X			
Bermudagrass: unhulled	common	3.0	I	W	X	X	X	X							1/1 - 9/1	X	X	X	X			
Bermudagrass: Seeded	Giant	3.0	I	W	X	X	X	X							1/1 - 9/1	X	X	X	X			
Bermudagrass: Sprigged	Alicia, Brazos, Callie, Coastal, Coast-Cross I, Jiggs, Guymon, Grazer, Midland, Tifton 44, Tifton 68, Tifton 78, Tifton 85, World Feeder	12 bu 7/																				
			I	W	X	X	X								1/1 - 9/1	X	X	X	X			Cover depth is one to three inches. Callie and Coast-Cross 1 susceptible to freeze damage. Winter hardiness of Jiggs and Tifton 85 not fully determined.
Bermudagrass: tops	Alicia, Jiggs, Tifton 85	7 bales 7/	I	W	X	X	X								5/15 - 9/1	X	X	X	X			Tops must be at least 18" long with 6 nodes. Adequate moisture at planting is essential. Cover depth is one to three inches.
Bluestem: big	Earl, Kaw, local harvest	6.0	N	W											1/1 - 9/1	X	X	X	X			
Bluestem: cane, silver		1.2	N	W	X	X	X	X							1/1 - 9/1		X	X	X	X		
Bluestem: little	Cimmaron, Pastura, native mix	3.4	N	W	X	X	X								1/1 - 9/1	X	X	X	X			
Bluestem: sand	Elida, Woodward	6.0	N	W	X										1/1 - 9/1	X	X	X				
Bluestem, yellow	Angleton, Australian, Caucasian, Gordo, King Ranch, Kleberg, Medio, Pretoria-90, T-587, WW-B Dahl	1.2	I	W	X	X	X	X							1/1 - 9/1		X	X	X	X		
Bluestem, yellow	Ganada, Plains, WW Ironmaster, WW-Spar	1.8	I	W	X	X	X	X							1/1 - 9/1		X	X	X	X		

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PERENNIAL GRASSES 1/, 2/ (Continued)														Maximum Seeding Dates 5/							
Bristlegrass: plains 8/		3.0	N	W	X	X	X	X						1/1 - 9/1		X	X	X	X		
Buffalograss burrs, treated		8.0	N	W	X	X	X	X						1/1 - 9/1			X	X	X		
Buffalograss, dehulled		3.0	N	W	X	X	X	X						1/1 - 9/1			X	X	X		
Buffelgrass,	Common, Nueces, Llano	2.0	I	W	X			X						1/1 - 9/1		X	X	X			Adapted along Rio Grande River only
Dropseed: giant		1.0	N	W	X	X	X	X						1/1 - 9/1	X	X	X				
Dropseed: mesa		1.0	N	W	X									1/1 - 9/1	X	X	X				
Dropseed: sand		1.0	N	W	X	X	X	X						1/1 - 9/1	X	X	X	X			
Dropseed: spike		1.0	N	W	X	X								1/1 - 9/1	X	X	X				
Dropseed: tall		1.0	N	W										1/1 - 9/1	X	X	X	X			
False rhodesgrass		1.2	N	W	X		X	X						1/1 - 9/1			X	X	X		Two-flower trichloris
Gramma: black	Nogal	1.5	N	W	X	X	X							1/1 - 9/1	X	X	X	X			
Gramma: blue	Hachita, Lovington	1.5	N	W	X	X	X							1/1 - 9/1		X	X	X	X		
Gramma: sideoats	El Reno, Haskell, Niner, Premier, Uvalde	4.5	N	W	X	X	X	X						1/1 - 9/1	X	X	X	X	X		
Green sprangletop		1.7	N	W	X	X	X	X						1/1 - 9/1	X	X	X	X	X		
Indiangrass: yellow	Cheyenne, Lometa	4.5	N	W	X	X	X							1/1 - 9/1	X	X	X	X	X		
Johnsongrass		10.0	I	W	X	X	X	X						1/1 - 9/1	X	X	X	X	X		Cover depth is 1/4 to 1/2 inches.
Kleingrass	Selection-75	1.5	I	W	X	X	X	X						1/1 - 9/1		X	X	X	X		
Kleingrass	Verde	1.7	I	W	X	X	X	X						1/1 - 9/1		X	X	X	X		
Lovegrass: Atherstone		1.5	I	W	X									1/1 - 9/1	X	X	X				
Lovegrass: Lehman		1.5	I	W	X	X								1/1 - 9/1	X	X	X				
Lovegrass: weeping	common, Ermelo	1.5	I	W	X	X	X							1/1 - 9/1	X	X	X				
Lovegrass: Wilman	common, Palar	1.5	I	W	X	X	X	X						1/1 - 9/1	X	X	X	X			Potential to freeze kill north of I-20
Lovegrass: sand, sandhill	common, Mason	1.5	N	W		X								1/1 - 9/1	X	X	X				

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PERENNIAL GRASSES																						
1/, 2/ (Continued)																						
Panicum: blue		2.0	I	W	X	X	X	X							1/1 - 9/1		X	X	X	X		
whiplash		2.5	N	W	X		X	X							1/1 - 9/1		X	X	X			
Rhodesgrass	Bell	1.0	I	W											1/1 - 9/1	X	X					
Sacaton: alkali	common, Salado, Saltalk	1.0	N	W	X	X	X	X							1/1 - 9/1			X	X	X	Adapted to saline sites.	
Sacaton: big		1.0	N	W	X		X								1/1 - 9/1			X	X	X		
Sorghum alnum		12.0	I	W	X	X	X	X							1/1 - 9/1		X	X	X	X	CS Weak perennial, Cover depth is 1/4 - 1/2"	
Switchgrass	Alamo	2.0	N	W											1/1 - 9/1	X	X	X	X	X		
Switchgrass	Blackwell, Caddo, Kanlow, local harvest	3.5	N	W	X	X	X	X							1/1 - 9/1	X	X	X	X	X		
Vine-mesquite		6.0	N	W	X	X	X	X							1/1 - 9/1		X	X	X	X		
Wheatgrass: tall	Jose, Largo	12.0	I	C	X										8/15-10/15		X	X	X		Tolerates salinity. Must have irrigation or extra runoff. Cover depth 1/4-1/2"	
Wheatgrass: western	Arriba, Barton, common	7.0	N	W	X										8/15-10/15		X	X	X		Tolerates salinity. Must have irrigation or extra runoff. Cover depth 1/4-1/2"	

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PERENNIAL FORBS, LEGUMES, SHRUBS 1/, 2/																						Comments
Alfalfa		4.0	I	C	X	X	X									8/15 -10/15	X	X	X	X		CS
Awnless bushsunflower		2.6	N	W	X	X	X	X								1/1 - 9/1		X	X	X		
Engelmannndaisy		15.0	N	C	X	X	X	X								8/15 -10/15		X	X	X	X	
Australlian saltbush		4.6	I	W	X		X	X								1/1 - 9/1		X	X	X	X	
Fourwing saltbush		15.5	N	W	X	X	X	X								1/1 - 9/1	X	X	X	X	X	Normal row rate is 6 lb/ac PLS
Gayfeather: dotted		10.0	N	W	X	X	X	X								1/1 - 9/1		X	X	X	X	
Illinois bundleflower		13.6	N	W		X										1/1 - 9/1	X	X	X	X	X	
Littleleaf leadtree		7.0	N	W	X		X									1/1 - 9/1		X	X	X	X	
Maximilian sunflower		3.0	N	W		X	X	X								1/1 - 9/1		X	X	X	X	
Menodora: showy		8.0	N	W	X		X	X								1/1 - 9/1		X	X	X		Adapted to shallow, rocky sites
Orange zexmenia		3.4	N	W	X		X	X								1/1 - 9/1	X	X	X	X		

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ANNUAL GRASSES 1/, 2/																					Comments
Barley		48.0	I	C	X	X	X	X							9/1 -11/30		X	X	X	X	CS Cover depth is 1.0 to 2.0 inches.
Forage Sorghum: grass types		10.0	I	W	X	X	X	X							4/1 - 8/15	X	X	X	X	X	CS Cover depth is 1.0 to 2.0 inches.
Forage Sorghum: others		15.0	I	W	X	X	X	X							4/1 - 8/15	X	X	X	X	X	CS Cover depth is 1/2 to 1.0 inches.
Grain Sorghum		10.0	I	W	X	X	X								4/1 - 8/15		X	X	X	X	CS Cover depth is 1.0 to 2.0 inches.
Hegari		15.0	I	W	X	X	X	X							4/1 - 8/15			X	X	X	CS Cover depth is 1.0 to 2.0 inches.
Millet: browntop		10.0	I	W	X	X	X	X							4/1 - 8/15		X	X	X	X	CS Cover depth is 1.0 to 2.0 inches.
Millet: foxtail		10.0	I	W	X	X	X	X							4/1 - 8/15	X	X	X	X		CS Cover depth is 1.0 to 2.0 inches.
Millet: japanese		10.0	I	W	X	X	X	X							4/1 - 8/15		X	X	X		CS Cover depth is 1.0 to 2.0 inches.
Millet: pearl		10.0	I	W	X	X	X	X							4/1 - 8/15		X	X	X	X	CS Cover depth is 1.0 to 2.0 inches.
Millet: proso		10.0	I	W	X	X	X	X							4/1 - 8/15		X	X	X	X	CS Cover depth is 1.0 to 2.0 inches.
Oats		48.0	I	C	X	X	X	X							9/1 -11/30		X	X	X	X	CS Cover depth is 1.0 to 2.0 inches.
Rye		42.0	I	C	X	X	X	X							9/1 -11/30		X	X	X	X	CS Cover depth is 1.0 to 2.0 inches.
Triticale		40.0	I	C	X	X	X	X							9/1 -11/30		X	X	X	X	CS Cover depth is 1.0 to 2.0 inches.
Wheat		40.0	I	C	X	X	X	X							9/1 -11/30		X	X	X	X	CS Cover depth is 1.0 to 2.0 inches.

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ANNUAL & BIENNIAL FORBS, LEGUMES 1/, 2/																				Comments		
Cowpeas		30.0	I	W	X	X	X	X							4/1 - 8/15	X	X	X	X	X	CS	
Guar		12.0	I	W	X	X	X	X							4/1 - 8/15		X	X	X		CS Cover depth is 1/2 to 1.0 inches.	
Partridge pea		13.4	N	W		X									12/1 - 6/1	X	X	X			CS	
Sesame		5.3	I	W	X	X	X								4/1 - 8/15			X	X	X	CS	
Sunflower, common		5.0	N	W	X	X	X								4/1 - 8/15	X	X	X	X	X	CS Seed 9/1 - 11/30 if seed has not been cold treated.	
Sunflower	Perodovic	15.0	I	W	X	X	X								4/1 - 8/15	X	X	X	X	X	CS	
Sweetclover: White	Hubam	3.4	I	C	X	X	X								9/1 -11/30	X	X	X	X	X	CS	
Sweetclover: Yellow	Madrid	3.4	I	C	X	X	X								9/1 -11/30	X	X	X	X	X	CS , biennial	

FOOTNOTES

1/ Species are listed by common name and where applicable by released cultivar or variety.

2/ Locally harvested seed may be used when seeding species of unknown or common variety. Locally harvested seed should have its geographic origin within 200 miles north, 300 miles south, 100 miles east and 200 miles west of the site where it will be planted.

3/ Seeding rates are listed as PLS (Pure Live Seed) unless otherwise indicated in the comments column as commercial seed (CS). To compute PLS from seed analysis information: %PLS = [% germination + %hard (dormant) seed] X % purity. Seeding rate in PLS pounds divided by % PLS will provide the bulk seeding rate needed to get the correct amount of Pure Live Seed.

4/ Drill planting is defined as rows spaced less than 20 inches apart. Row plantings will be 1/3 of drill rates unless otherwise noted. For Critical Areas, e.g. Grassed Waterways, Critical Area Planting, and other sites receiving increased water flow, traffic, or wind erosion, the seeding rate may be adjusted to up to twice the listed seeding rate. Consideration should be given by the Designated Conservationist as to the suitability of the plants to the application and site conditions.

5/ The optimum planting depth for all species is 1/8" - 1/4" unless otherwise noted.

6/ Soil groups are based on the following textures: **Coarse** - coarse sand, sand, fine sand, very fine sand, loamy coarse sand, loamy sand, loamy fine sand and loamy very fine sand; **Moderately Coarse** - sandy loam, coarse sandy loam and fine sandy loam; **Medium** - very fine sandy loam, loam, silt loam and silt; **Moderately Fine** - clay loam, sandy clay loam and silty clay loam; **Fine** - sandy clay, silty clay and clay.

7/ Conversion Factors: 3.5 bushels of tops = 1 bale; 7 bushels of sprigs = 1 bale; 1.25 cubic feet = 1 bushel; 15 pounds = 1 bushel.

8/ The TZ (tetrazolium salt) test can be used for the germination factor in figuring PLS of the dealer furnishes the seed tag or other proof that the test was performed by a reputable seed lab.